

## Claims

1. A monitoring system (1) for the cargo space (32) of a transportation means with a control unit (4) that can receive a characteristic value for the current state of motion of the transportation means, and that is connected to a number of motion detectors on the data input side and to a number of image-recording devices (2) on the data output side.
2. The monitoring system (1) according to claim 1, whose motion detectors comprise a number of acceleration sensors (8).
3. The monitoring system (1) according to claim 1 or 2, in which the image-recording device (2) or each image-recording device (2) is connected to a memory module (14).
4. The monitoring system (1) according to claim 3, in which the memory module (14) or each memory module (14) is configured for digital data storage, especially as a multi-media card.
5. The monitoring system (1) according to claim 3 or 4, in whose memory module (14) characteristic values for permissible loading and/or unloading positions are stored.
6. The monitoring system (1) according to any of claims 1 to 5, in which, after having been activated by the control unit (4), the image-recording device (2) or each image-recording device (2) records a predefinable number of images and subsequently deactivates itself autonomously.
7. The monitoring system (1) according to any of claims 1 to 6, whose control unit (4) is connected on the data output side to a transmitter for wireless data transmission.

8. The monitoring system (1) according to any of claims 1 to 7, whose control unit (4) is connected to a GPS receiver.
9. The monitoring unit according to any of claims 1 to 8, whose control unit (4) is connected to an information system of the transportation means.
10. The monitoring unit according to any of claims 1 to 9, whose control unit (4) is connected to a number of interfaces (16, 18) for connecting other functional components, as needed.
11. A vehicle (30) with a cargo space that is provided with a monitoring system (1) according to any of claims 1 to 10.
12. A method for monitoring the cargo space (32) of a transportation means, in which a number of image-recording devices (2) are activated as a function of the current state of motion of the transportation means and of movement ascertained in the cargo space (32).
13. The method according to claim 12, in which movement in the cargo space (32) is ascertained on the basis of acceleration data of the transportation means.
14. The method according to claim 12 or 13, in which the detected image data is stored digitally, especially on a multi-media card.
15. The method according to any of claims 12 to 14, in which, after having been activated, the image-recording device (2) or each image-recording device (2) records a predefinable number of images and is subsequently deactivated.
16. The method according to any of claims 12 to 15, in which, after image-recording devices (2) have been activated, a warning message is sent to a transmitter.

17. The method according to any of claims 12 to 16, in which, after image-recording devices (2) have been activated, the position of the transportation means is likewise determined.